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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/695,351	10/29/2003	You-Sub Lee	1572.1137	5994

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EXAMINER

EPSS, TODD MICHAEL

ART UNIT	PAPER NUMBER
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3632

MAIL DATE	DELIVERY MODE
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08/03/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/695,351

Applicant(s)

LEE ET AL.

Examiner

Todd M. Epps

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 25 May 2007.
- 2a) ☒ This action is FINAL. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-29 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 3-16 and 24-27 is/are allowed.
- 6) ☒ Claim(s) 1, 2, 17-23, and 28-29 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

This is the second Office Action **final** for serial number 10/695,351, Display Supporting Apparatus, filed on October 29, 2003.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1, 2, 17 - 23, and 28 - 29 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent No. 6,817,585 to Wagner et al (Wagner) in view of U.S. Design Patent No. 395,892 to Solomon, in further view of U.S. Patent No. 5,310,152 to O'Neill.

Wagner '585 (fig. 1) discloses an upper engaging part (30) mountable on a ceiling, a swivel adjusting part (52), and a flange member (16). However, Wagner '585 fails to disclose a display mounting part and a tilt adjusting part having a flange shape provided so that the first engaging pipe is coupled thereto, and to couple to the display mounting part, and the tilting adjusting part being formed with a plurality of engaging holes defining different tilting angles. Nevertheless, Solomon '892 discloses a display mounting part (bottom portion) and a tilt adjusting part (bottom portion where the display mounting part is on top) having a flange shape, and is formed with a plurality of

engaging holes (second engaging holes) defining different tilting angles; wherein the tilting adjusting part comprises: a plate (fig. 5) being provided with a first engaging hole to couple the plate to the display mounting part; bent parts provided on opposite sides of the plate while the bent parts having two or more of a plurality of second engaging holes; a third engaging hole to couple to the engaging pipe; and wherein the engaging pipe is inserted between the bent parts of the tilt adjusting part. Accordingly, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modified the "C-shaped bracket" that holds the display of Wagner '585 to include a "C-shaped bracket" with a tilting adjusting part with a plurality of engaging holes and a display mounting part as taught by Solomon '892 wherein doing so would provide thereof convenience to adjust the monitor in any direction as the customer desired.

In additional, Wagner '585 in view of Solomon '892 fails to disclose a display. Attention is directed to O'Neill '152 reference, which discloses a display mounted on a display mounting part. Accordingly, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modified the display supporting apparatus of Wagner '585 in view of Solomon '892 to include the display because one would have motivated to provide a means for supporting the display as taught by O'Neill '152.

Furthermore, Wagner '585 fails to disclose a first engaging pipe extended downward from the swivel adjusting part. Attention is directed to Wagner '585 (fig. 2), which discloses a first engaging pipe (52') extended downward from the swivel adjusting part, a second engaging pipe (50') having an external diameter to correspond to an

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internal diameter of the first engaging pipe (52'), wherein the second engaging pipe is inserted into the first engaging pipe to reduce a weight of the second engaging pipe, and provided with a trunk part having a hollow inside to couple to the first engaging pipe; one pair of first engaging holes (fig. 2); two pairs of second engaging holes on the bottom of the trunk part (fig. 3), and a display mounted on the display supporting. Accordingly, it would have been obvious to one of ordinary skill in the art at the time the invention was made to add a first engaging pipe extended downward from the swivel adjusting part as shown in figure 2 wherein doing so would provide thereof convenience to adjust the monitor in any direction as the customer desired.

Wagner '585 discloses the previous invention failing to specifically teach a third engaging pipe having an external diameter and internal diameter to correspond to the external and internal diameters of the first engaging pipe, and provided with a trunk part having a hollow inside to couple to the second engaging pipe. Since Wagner '585 discloses a second engaging pipe (50') having an external diameter to correspond to an internal diameter of the first engaging pipe (52'), it would have been obvious to one of ordinary skill in the art at the time the invention was made to add a third engaging pipe with one pair of first engaging holes and two pair of second engaging holes on the bottom of the trunk part wherein doing so would provide thereof a greater support to lower the monitor further downwardly.

Regarding claims 2, and 23, Wagner '585 in view of Solomon '892 discloses wherein a force to support the display is enhanced as a number of the second engaging holes of the upper engaging part is increased, however, fails to disclose a trunk part

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having a hollow projection, and a supporting rib combined with the mounting plate and the trunk part. Attention is directed to O'Neill '152 reference, which shows a mounting plate with a trunk part having a hollow projection, and a supporting rib. Accordingly, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified the plate with a trunk part of Wagner '585 in view of Solomon '892 to have the plate with a trunk part and a supporting rib as in O'Neill '152 so as to provide thereof for superior mounting when liquid crystal display is rotated at a different direction.

Allowable Subject Matter

Claims 3-16, and 24-27 are allowed.

The prior art fails to teach in combination wherein a plate provided to withstand the weight of the display and with a through hole having a diameter equal to an external diameter of the trunk part of the upper engaging part; and an engaging part bent downward from an edge of the plate, and being provided with at least one pair of engaging holes to couple to the first engaging pipe.

Response to Arguments

Applicant's response filed May 25, 2007 have been fully considered but are moot in view of the new ground(s) of rejection.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Todd M. Epps whose telephone number is 571-272-8282. The examiner can normally be reached on M-F (7:30-4:30).


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Carl Friedman can be reached on 571-272-6842. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

TME

Todd M. Epps
Patent Examiner
Art Unit 3632
July 30, 2007


Carl D. Friedman
Supervisory Patent Examiner
Group 3600